

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IS2004/000010

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/82 C12N15/62 C12N9/64

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, CHEM ABS Data, Sequence Search, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 048 715 A (HAYNES ET AL) 11 April 2000 (2000-04-11)	1,4,5, 7-11,15, 17,21
Y	column 3, paragraph 3; figure 14; example 6	6,16, 18-20
X	WO 00/77174 A (CBD TECHNOLOGIES LTD; YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBRE) 21 December 2000 (2000-12-21) abstract; claims 1-24; figure 1	1-5, 7-11,15
Y	US 2002/164718 A1 (TCHAGA GRIGORIY S ET AL) 7 November 2002 (2002-11-07) page 6, left-hand column, paragraph 1; figures 2,4; example 1	18-20
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

21 March 2005

Date of mailing of the international search report

06/04/2005

Name and mailing address of the ISA

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PCT/IS2004/000010

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02/05922 A (MPB COLOGNE GMBH, MOLECULAR PLANT & PROTEIN BIOTECHNOLOGY; PETSCH, DAG) 24 January 2002 (2002-01-24) abstract	6,16
A	----- BORASTON ALISDAIR B ET AL: "Binding specificity and thermodynamics of a family 9 carbohydrate-binding module from <i>Thermotoga maritima</i> xylanase 10A" BIOCHEMISTRY, vol. 40, no. 21, 29 May 2001 (2001-05-29), pages 6240-6247, XP002321709 ISSN: 0006-2960 cited in the application abstract	12-14
A	----- BORASTON ALISDAIR B ET AL: "A family 2a carbohydrate-binding module suitable as an affinity tag for proteins produced in <i>Pichia pastoris</i> " PROTEIN EXPRESSION AND PURIFICATION, vol. 21, no. 3, April 2001 (2001-04), pages 417-423, XP002321711 ISSN: 1046-5928 abstract; figure 2	12-14
A	----- REEVES R A ET AL: "Sequencing and expression of additional xylanase genes from the hyperthermophile <i>Thermotoga maritima</i> FjSS3B.1." APPLIED AND ENVIRONMENTAL MICROBIOLOGY. APR 2000, vol. 66, no. 4, April 2000 (2000-04), pages 1532-1537, XP002321710 ISSN: 0099-2240 abstract	12-14
A	----- CHHABRA S R ET AL: "Biochemical characterization of <i>Thermotoga maritima</i> endoglucanase Cel74 with and without a carbohydrate binding module (CBM)" FEBS LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 531, no. 2, 6 November 2002 (2002-11-06), pages 375-380, XP004391664 ISSN: 0014-5793 abstract	12-14

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Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
- a. type of material
- ☒ a sequence listing
- ☐ table(s) related to the sequence listing
- b. format of material
- ☒ in written format
- ☒ in computer readable form
- c. time of filing/furnishing
- ☐ contained in the international application as filed
- ☐ filed together with the international application in computer readable form
- ☒ furnished subsequently to this Authority for the purpose of search
2. ☒ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IS2004/000010

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6048715	A	11-04-2000	US 6174700 B1	16-01-2001
			US 5928917 A	27-07-1999
			US 5340731 A	23-08-1994
			US 5202247 A	13-04-1993
			US 5137819 A	11-08-1992
			AU 718247 B2	13-04-2000
			AU 6680596 A	30-04-1997
			BR 9609742 A	02-03-1999
			CA 2226785 A1	17-04-1997
			CN 1193995 A	23-09-1998
			EP 0842264 A1	20-05-1998
			HU 9802406 A2	28-01-1999
			JP 11509738 T	31-08-1999
			WO 9713841 A1	17-04-1997
			US 6124117 A	26-09-2000
			US 5962289 A	05-10-1999
			CA 2117887 A1	09-10-1993
			WO 9321331 A2	28-10-1993
			EP 0635059 A1	25-01-1995
			JP 8501924 T	05-03-1996
			AT 142699 T	15-09-1996
			CA 1335182 C	11-04-1995
			DE 68927161 D1	17-10-1996
			DE 68927161 T2	30-01-1997
			EP 0381719 A1	16-08-1990
			WO 9000609 A1	25-01-1990
			JP 2528721 B2	28-08-1996
			JP 3501261 T	22-03-1991
WO 0077174	A	21-12-2000	US 6331416 B1	18-12-2001
			AT 278773 T	15-10-2004
			AU 4947500 A	02-01-2001
			AU 5136900 A	02-01-2001
			CA 2376392 A1	21-12-2000
			DE 60014635 D1	11-11-2004
			EP 1185624 A1	13-03-2002
			WO 0077174 A1	21-12-2000
			JP 2003502032 T	21-01-2003
			WO 0077175 A1	21-12-2000
US 2002164718	A1	07-11-2002	US 2004180415 A1	16-09-2004
WO 0205922	A	24-01-2002	DE 10035292 A1	21-02-2002
			AU 6894201 A	30-01-2002
			WO 0205922 A1	24-01-2002